

MICROGRAVITY SCIENCE PROGRAM GRC/MSD ISS UTILIZATION TRAFFIC MODEL POP Assembly Sequence (RTF March 2005)

DIV. PROGRAM MANAGER: J. SALZMAN BASELINE: 03/31/04 STATUS AS OF: 05/31/04

Glenn Research Center 2002 2003 FY 2003 FY 2005 FY 2007 FY 2008 PROJECT Milestones LAUNCHES ARE NET ULF-3 ULF-4 1E 13A.1 15A 10A 4 II ISS PAYLOAD 7 DEVELOPMENT Incre. 12 Incre. 16 Incre. 17 Incre. 11 Incre. 14 Incre. 15 III ISS FACILITIES FCF Ø III GSR Ø II GSR S/W CDR Δ \blacksquare CIR ULF-2 CIR Ø III FSR Δ \blacksquare SHIP FIR CDR 1 A lackΔ IV FLUIDS PAYLOADS DEVELOPMENT sect & Test PCS Final Report ISS EXPRESS Chaikin ISS EXPRESS Δ △ AS Ship "In Storage, On Hold" △AS T/O 13A.1 Test sect. Final Report Mission Ops 1.3 PCS - 3 Weitz et al. ISS EXPRESS 2.0 LMM GIU Available
Confocal Available FIR Fit. C/O FIR/LMM I&T Enviro/Scien LMM FLIGHT UNIT Launch LMM/CVB Fit Fill and Tes LMM/CVB Software LMM FHA EM Encoding and Prototyping CVB FHA CSC, Core, CVB Acceptance Testing CVB Electrical Ctrl Box test complete FIR/LMM/CVB Integ CVB Final Wayner LMM-1/F I R Vibe testing Specialty Cells

(TBD)

(CDR

E-Grid Cell EM Evaluation

(TBD) Zone Refinement Cell
EM Evaluation (TBD) "Suspended" PSR FHA/Ship/TO LMM-2/F I R "Suspended" LMM-3/F I R Electric Field Cell EM Evaluation (TBD) "Suspended" PSR A LMM-4/FIR \blacktriangle



MICROGRAVITY SCIENCE PROGRAM GRC/MSD ISS UTILIZATION TRAFFIC MODEL POP Assembly Sequence (RTF March 2005)

DIV. PROGRAM MANAGER: J. SALZMAN BASELINE: 03/31/04 STATUS AS OF: 05/31/04

Glenn Research Center 2002 2003 FY 2003 FY 2005 FY 2006 FY 2008 PROJECT 0 N D J F M A M J J A S O N D J F M A M J J A S O N D D F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D D T M A M J A M J A M J A M J A M J A M J A M J A M J A M J A M J A M J A M J A M J A M J A M J A CDR FIR Δ 2.7 µgSEG Jenkins FCF | & T RDR GFM-1/FIR Δ PSR . Louge GFM-2/F I R 1 ₺ "Suspended" Final Report DECLIC 3.0 Other Fluids Payloads CDR PDR PSR ATP △ 4 FIR 3.2 FOAM Maxis VI Sounding 17A Durian FSL Rocket Test TO BE SUPPLIED BY ESA 3.3 CCF 1&2 FCF I & T FHA TO BE SUPPLIED BY DLR FIR or MSG Δ V COMBUSITON P/L DEVELOPMENT CM - 2 COMPLETED Over, Frate LSP Faeth (89) SOFBALL Ronney (89) ∆ BASELINED **BEING REVISED 5/31/04** WATER/MIST McKinnon (UX 1.2 MDCA FINAL REPORT DCE-2 Williams (PACE) Final Report Δ Δ Δ Δ 1.2.3 SEDC Final Repor Δ DDCE NAYAGAM (97) RDI CIR I&T FHA Δ HCR. 1.3 FEANICS Frate **VR** △ CIR I&T Δ Δ Δ Fernandez-Pello (95) FEANICS PI-1 1.3.2 SIBAL Tien (93) FHA △ ON HOLD Δ 1 3 3 TIGER-3D CIR IST Kashiwagi (93) ON HOLD CIR I&T RONNEY (97) FHA FEANICS PI-2 ON HOLD Δ CIR I&T WICHMAN (97) FHA ON HOLD RDR TBD Fernandez-Pello (99) CIR I&T UNDER REVIEW 1.4 MGFA PHASE 01/02
PDR Δ Over RDR LAW (97) Page: 2 RDR ATP FLAME DESIGN AXELBAUM (97)



MICROGRAVITY SCIENCE PROGRAM GRC/MSD ISS UTILIZATION TRAFFIC MODEL POP Assembly Sequence (RTF March 2005)

DIV. PROGRAM MANAGER: J. SALZMAN BASELINE: 03/31/04 STATUS AS OF: 05/31/04

Gler	n Research Center	1 of Assembly Sequence (1711 march 2000)															STATUS AS OF: 05/31/04												
	PROJECT	2002 2003					2004				2005				2006				2007				2008				2009		
		FY 2003				FY 2004					FY 2005				FY 2006				FY 2007			FY 2008				FY 2009			
		1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th
		O N D	J F M	A M J	J A S	O N D	J F N	A M	J J A	S O N D	J F N	1 A M J	J A S	O N D	J F M	A M J	J A S	O N D	J F M	A M J	J A S	O N D	J F M	A M J	J A S	O N D	J F M	A M J	J A S
1.4.3	V-FLAME (Clean Flames)							1 1									RDR												
	CHENG (97)	1				İ						1			İ		$\triangle^{\frac{1}{2}}$	TP.					1		1				
																	Z	7											
1.5	COOL FLAMES				Phas	e B Restart		1					DDD.				PDR				CDR								
	Pearlman (95)				+	•		1 1				1	A		1														
						_							\triangle									Y							